

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/07985

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07D301/32 B01D3/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07D B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 574 772 A (BECKER MITCHELL ET AL) 13 April 1971 (1971-04-13) figure 2	1-10
A	KAIBEL G: "DISTILLATION COLUMNS WITH VERTICAL PARTITIONS" CHEMICAL ENGINEERING AND TECHNOLOGY, WEINHEIM, DE, vol. 10, 1987, pages 92-98, XP002939161 ISSN: 0930-7516 the whole document	1-10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

21 November 2003

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02/12/2003

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3574772	A	13-04-1971	BE 740615 A	22-04-1970
			DE 1953856 A1	06-05-1970
			ES 372885 A1	16-11-1971
			FR 2021573 A5	24-07-1970
			GB 1278617 A	21-06-1972
			JP 49033170 B	05-09-1974
			NL 6915440 A ,B,	28-04-1970

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